

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/588,449
Source: IFWP
Date Processed by STIC: 8/15/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/588,449

CRF Edit Date: 8/15/06
Edited by: [Signature]

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

/ Deleted: / invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWP

RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/588,449

TIME: 16:51:58

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J588449.raw

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3 <110> APPLICANT: Lundquist, Henrik
4      Spendler, Tina
5      Hoff, Tine
7 <120> TITLE OF INVENTION: Preparation of Dough-Based Product
9 <130> FILE REFERENCE: 10581-204-US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/588,449
C--> 11 <141> CURRENT FILING DATE: 2006-08-03
11 <160> NUMBER OF SEQ ID NOS: 4
13 <170> SOFTWARE: PatentIn version 3.3
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 781
17 <212> TYPE: DNA
18 <213> ORGANISM: Bacillus halodurans
21 <220> FEATURE:
22 <221> NAME/KEY: CDS
23 <222> LOCATION: (58)..(687)
25 <220> FEATURE:
26 <221> NAME/KEY: sig_peptide
27 <222> LOCATION: (58)..(141)
29 <220> FEATURE:
30 <221> NAME/KEY: mat_peptide
31 <222> LOCATION: (142)..(687)
33 <400> SEQUENCE: 1
34 aatcgacaac aaacgtgtaa ataagtagta cgataaaaat tttgaggagg acgaatc      57
36 atg ttt aag ttc gtt acg aaa gtt ttg acg gta gta att gca gct aca      105
37 Met Phe Lys Phe Val Thr Lys Val Leu Thr Val Val Ile Ala Ala Thr
38      -25      -20      -15
40 att agt ttt tgt ttg agt gca gta ccg gca agt gct aat acc tat tgg      153
41 Ile Ser Phe Cys Leu Ser Ala Val Pro Ala Ser Ala Asn Thr Tyr Trp
42      -10      -5      -1 1
44 caa tat tgg acc gat ggt ggt gga aca gta aat gct aca aat gga cct      201
45 Gln Tyr Trp Thr Asp Gly Gly Thr Val Asn Ala Thr Asn Gly Pro
46 5      10      15      20
48 ggt gga aat tac agt gtg aca tgg aga gat aca ggg aac ttt gtt gtc      249
49 Gly Gly Asn Tyr Ser Val Thr Trp Arg Asp Thr Gly Asn Phe Val Val
50      25      30      35
52 ggt aaa ggc tgg gaa atc ggt tca cca aat cga acg atc cat tac aat      297
53 Gly Lys Gly Trp Glu Ile Gly Ser Pro Asn Arg Thr Ile His Tyr Asn
54      40      45      50
56 gct ggt gtc tgg gaa ccg tct gga aat gga tat ttg act ctc tat ggg      345
57 Ala Gly Val Trp Glu Pro Ser Gly Asn Gly Tyr Leu Thr Leu Tyr Gly
58      55      60      65
60 tgg aca agg aat cag ctc ata gaa tat tat gtc gtt gat aat tgg gga      393

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```

61 Trp Thr Arg Asn Gln Leu Ile Glu Tyr Tyr Val Val Asp Asn Trp Gly
62      70      75      80
64 act tac aga cct act gga acc cat cga ggc acc gtt gtc agt gat ggg      441
65 Thr Tyr Arg Pro Thr Gly Thr His Arg Gly Thr Val Val Ser Asp Gly
66 85      90      95      100
68 gga aca tat gac atc tat acg act atg cga tac aat gca cct tcc att      489
69 Gly Thr Tyr Asp Ile Tyr Thr Thr Met Arg Tyr Asn Ala Pro Ser Ile
70      105      110      115
72 gat ggg aca caa acg ttc caa cag ttc tgg agt gtg agg caa tcg aag      537
73 Asp Gly Thr Gln Thr Phe Gln Gln Phe Trp Ser Val Arg Gln Ser Lys
74      120      125      130
76 aga ccg act gga aat aac gtt agc att acg ttt agc aac cac gtg aat      585
77 Arg Pro Thr Gly Asn Asn Val Ser Ile Thr Phe Ser Asn His Val Asn
78      135      140      145
80 gcg tgg aga aat gca gga atg aat ctg gga agt agt tgg tct tac cag      633
81 Ala Trp Arg Asn Ala Gly Met Asn Leu Gly Ser Ser Trp Ser Tyr Gln
82      150      155      160
84 gta tta gca aca gaa ggc tat caa agt agc ggg aga tcg aat gta acg      681
85 Val Leu Ala Thr Glu Gly Tyr Gln Ser Ser Gly Arg Ser Asn Val Thr
86 165      170      175      180
88 gtt tgg tagaacgaga aagacggaat taactttctg aatattttaa aacaaatcta      737
89 Val Trp
92 ttgttgtgac gaacttaaga ttactcatt aagaagaatg aagc      781
95 <210> SEQ ID NO: 2
96 <211> LENGTH: 210
97 <212> TYPE: PRT
98 <213> ORGANISM: Bacillus halodurans
100 <400> SEQUENCE: 2
102 Met Phe Lys Phe Val Thr Lys Val Leu Thr Val Val Ile Ala Ala Thr
103      -25      -20      -15
106 Ile Ser Phe Cys Leu Ser Ala Val Pro Ala Ser Ala Asn Thr Tyr Trp
107      -10      -5      -1 1
110 Gln Tyr Trp Thr Asp Gly Gly Gly Thr Val Asn Ala Thr Asn Gly Pro
111 5      10      15      20
114 Gly Gly Asn Tyr Ser Val Thr Trp Arg Asp Thr Gly Asn Phe Val Val
115      25      30      35
118 Gly Lys Gly Trp Glu Ile Gly Ser Pro Asn Arg Thr Ile His Tyr Asn
119      40      45      50
122 Ala Gly Val Trp Glu Pro Ser Gly Asn Gly Tyr Leu Thr Leu Tyr Gly
123      55      60      65
126 Trp Thr Arg Asn Gln Leu Ile Glu Tyr Tyr Val Val Asp Asn Trp Gly
127      70      75      80
130 Thr Tyr Arg Pro Thr Gly Thr His Arg Gly Thr Val Val Ser Asp Gly
131 85      90      95      100
134 Gly Thr Tyr Asp Ile Tyr Thr Thr Met Arg Tyr Asn Ala Pro Ser Ile
135      105      110      115
138 Asp Gly Thr Gln Thr Phe Gln Gln Phe Trp Ser Val Arg Gln Ser Lys
139      120      125      130
142 Arg Pro Thr Gly Asn Asn Val Ser Ile Thr Phe Ser Asn His Val Asn

```

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DATE: 08/15/2006

PATENT APPLICATION: US/10/588,449

TIME: 16:51:58

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Output Set: N:\CRF4\08152006\J588449.raw

```

143          135          140          145
146 Ala Trp Arg Asn Ala Gly Met Asn Leu Gly Ser Ser Trp Ser Tyr Gln
147          150          155          160
150 Val Leu Ala Thr Glu Gly Tyr Gln Ser Ser Gly Arg Ser Asn Val Thr
151 165          170          175          180
154 Val Trp
158 <210> SEQ ID NO: 3
159 <211> LENGTH: 47
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Primer 1
167 <220> FEATURE:
168 <221> NAME/KEY: source
169 <222> LOCATION: (19)..(47)
170 <223> OTHER INFORMATION: B. halodurans
172 <400> SEQUENCE: 3
173 cattctgcag ccgcggccaa tacctattgg caatattgga ccgatgg          47
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 51
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Primer 2
185 <220> FEATURE:
186 <221> NAME/KEY: source
187 <222> LOCATION: (21)..(51)
188 <223> OTHER INFORMATION: B. halodurans
190 <400> SEQUENCE: 4
191 gcgttgagac gcgcggccgc cattcttctt aatgagtaaa tcttaagttc g          51

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/15/2006
PATENT APPLICATION: US/10/588,449 TIME: 16:51:59

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08152006\J588449.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/588,449

DATE: 08/15/2006

TIME: 16:51:59

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J588449.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,449

TIME: 11:04:32

Input Set : A:\01-SQ Listing-11 Aug 2006.txt

Output Set: N:\CRF4\08112006\J588449.raw

3 <110> APPLICANT: Lundquist, Henrik
 4 Spendler, Tina
 5 Hoff, Tine
 7 <120> TITLE OF INVENTION: Preparation of Dough-Based Product
 9 <130> FILE REFERENCE: 10581-204-US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/588,449
 C--> 11 <141> CURRENT FILING DATE: 2006-08-03
 11 <160> NUMBER OF SEQ ID NOS: 4
 13 <170> SOFTWARE: PatentIn version 3.3

ERRORED SEQUENCES

176 <210> SEQ ID NO: 4
 177 <211> LENGTH: 51
 178 <212> TYPE: DNA
 179 <213> ORGANISM: Artificial
 181 <220> FEATURE:
 182 <223> OTHER INFORMATION: Primer 2
 185 <220> FEATURE:
 186 <221> NAME/KEY: source
 187 <222> LOCATION: (21)..(51)
 188 <223> OTHER INFORMATION: B. halodurans
 190 <400> SEQUENCE: 4
 191 gcgttgagac gcgcggccgc cattcttctt aatgagtaaa tcttaagtgc g
 E--> 197 4

**Does Not Comply
Corrected Diskette Needed**

51

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/11/2006
PATENT APPLICATION: US/10/588,449 TIME: 11:04:33

Input Set : A:\01-SQ Listing-11 Aug 2006.txt
Output Set: N:\CRF4\08112006\J588449.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,449

TIME: 11:04:33

Input Set : A:\01-SQ Listing-11 Aug 2006.txt

Output Set: N:\CRF4\08112006\J588449.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:197 M:254 E: No. of Bases conflict, this line has no nucleotides.